

DIELECTRIC FILTER, ANTENNA SHARING DEVICE, AND
COMMUNICATION DEVICE

ABSTRACT OF THE DISCLOSURE

5 An outer conductor, an input terminal electrode,
an output terminal electrode, a voltage controllable
terminal electrode, and two separated electrodes are
formed on the outer face of a dielectric block.
Furthermore, on the upper face of the dielectric
10 block, PIN diodes which are voltage controllable
reactance elements, and inductors for voltage-
controlling the PIN diodes, and a coupling adjustment
capacitor are mounted. Frequency shifting capacitors
are formed by generation of electrostatic capacitances
15 between the separated electrodes and the inner
conductors of the resonance holes, respectively.